

GlassBrowserAI C4 Diagram Pack

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1. System Context

GlassBrowser AI sits between the trader and their broker. It combines a browser, trading tools, and agentic workflows.

```
[Trader] --(uses)--> [GlassBrowser AI]
[GlassBrowser AI] --(REST/Stream)--> [TradeLocker]
[GlassBrowser AI] --(WebSocket)--> [MT5 Tick Bridge (optional)]
[GlassBrowser AI] --(API)--> [OpenAI/Gemini]
```

2. Containers

Electron Main Process
- IPC handlers, TradeLocker client, ledger persistence, secrets

Renderer (React)
- UI panels, agents, playbooks, task trees, backtester, chart engine

Optional Backend (Python MT5)
- Local WebSocket tick bridge

3. Components (Renderer)

- Chat + Chart Chat (agents, playbooks, tool cards)
- Native Chart (snapshot + frames)
- Backtester + Optimizer + Research Autopilot
- Setups + Watch Profiles + Setup Library
- AutoPilot (risk, execution mode, truth events)
- Performance Dashboard (sessions, champions, trends)

4. Deployment

Windows/macOS/Linux desktop app (Electron)
- Bundles renderer and main process
- Ships backend/ as extraResources
User data in %APPDATA%/GlassBrowser AI (Electron userData)